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614764 (09) 6330756 December 18, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6330756

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December 18, 2001

Vacuum processing apparatus and operating method therefor

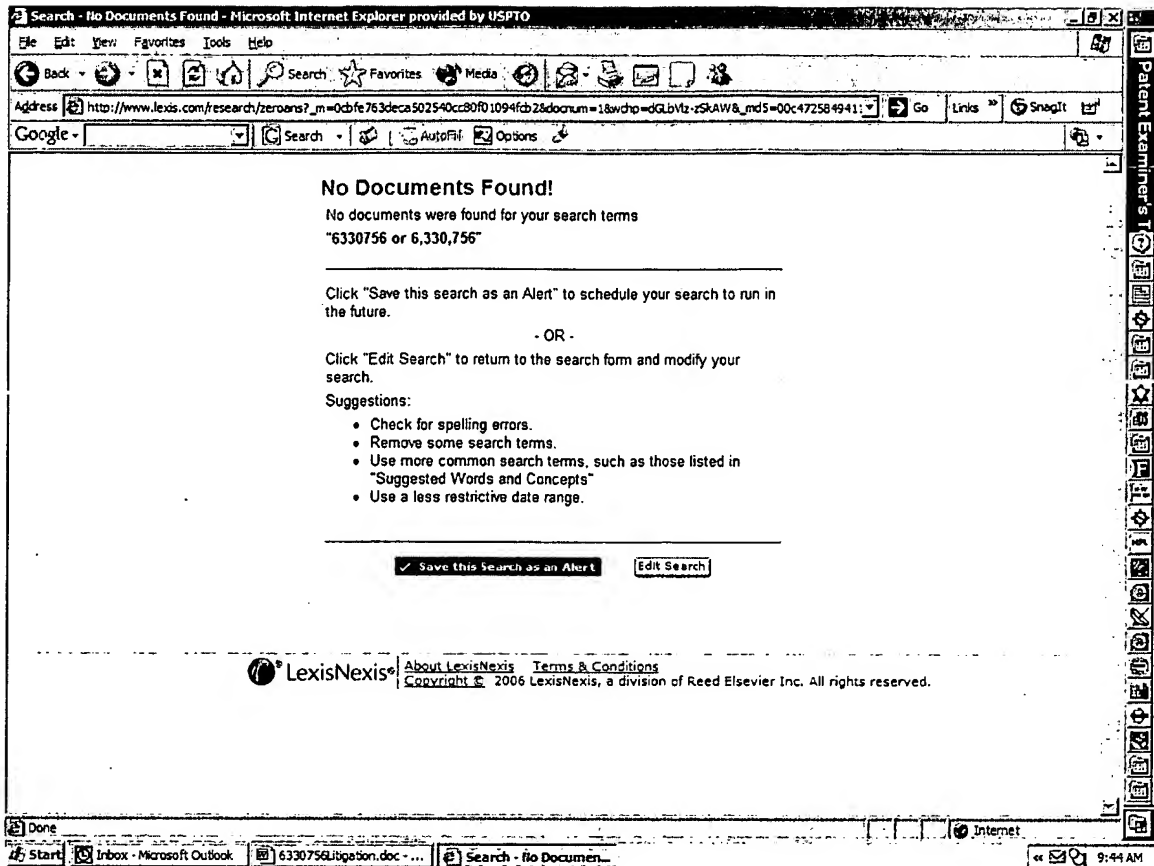
REISSUE: February 1, 2002 - Reissue Application filed Ex. Gp.: 2162; Re. S.N. 10/060,304 (O.G. May 21, 2002)

INVENTOR: Kato, Shidekazu - Kudamatsu, Japan (JP); Nishihata, Kouji - Tokuyama, Japan (JP); Tsubone, Tsunehiko - Hikari, Japan (JP);

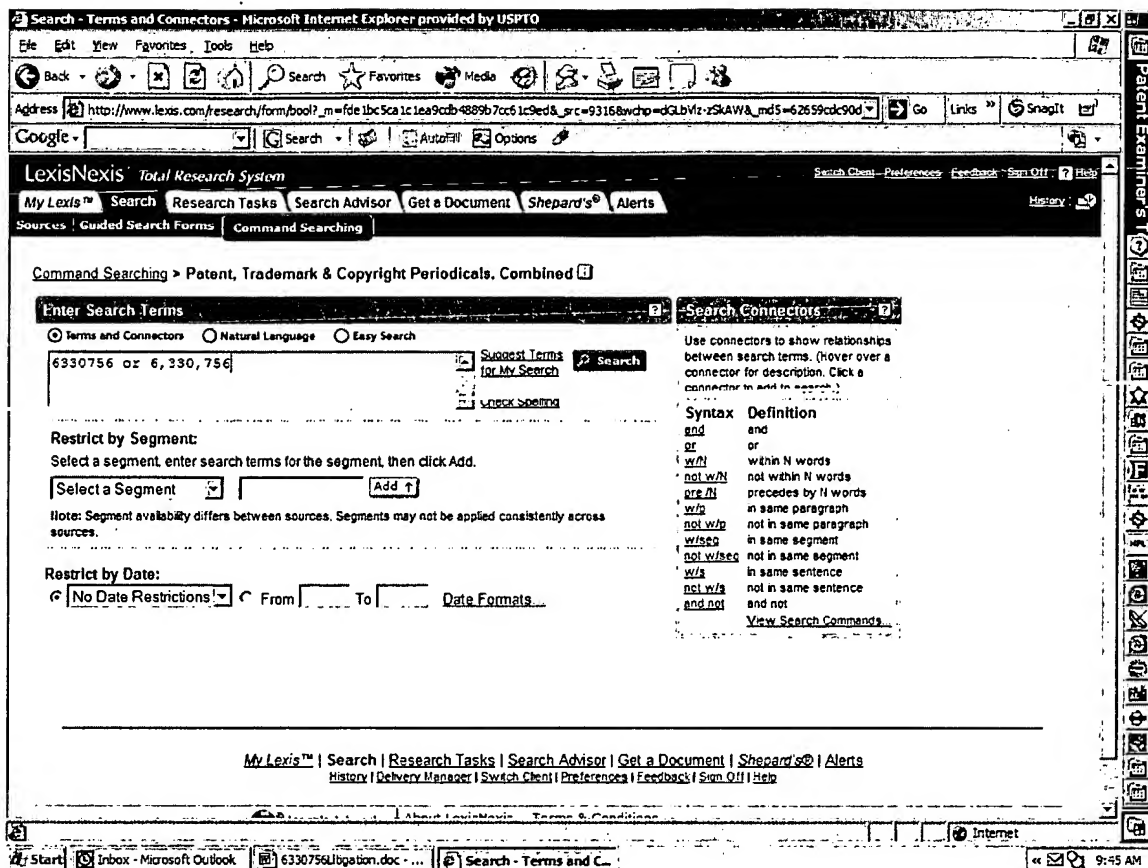
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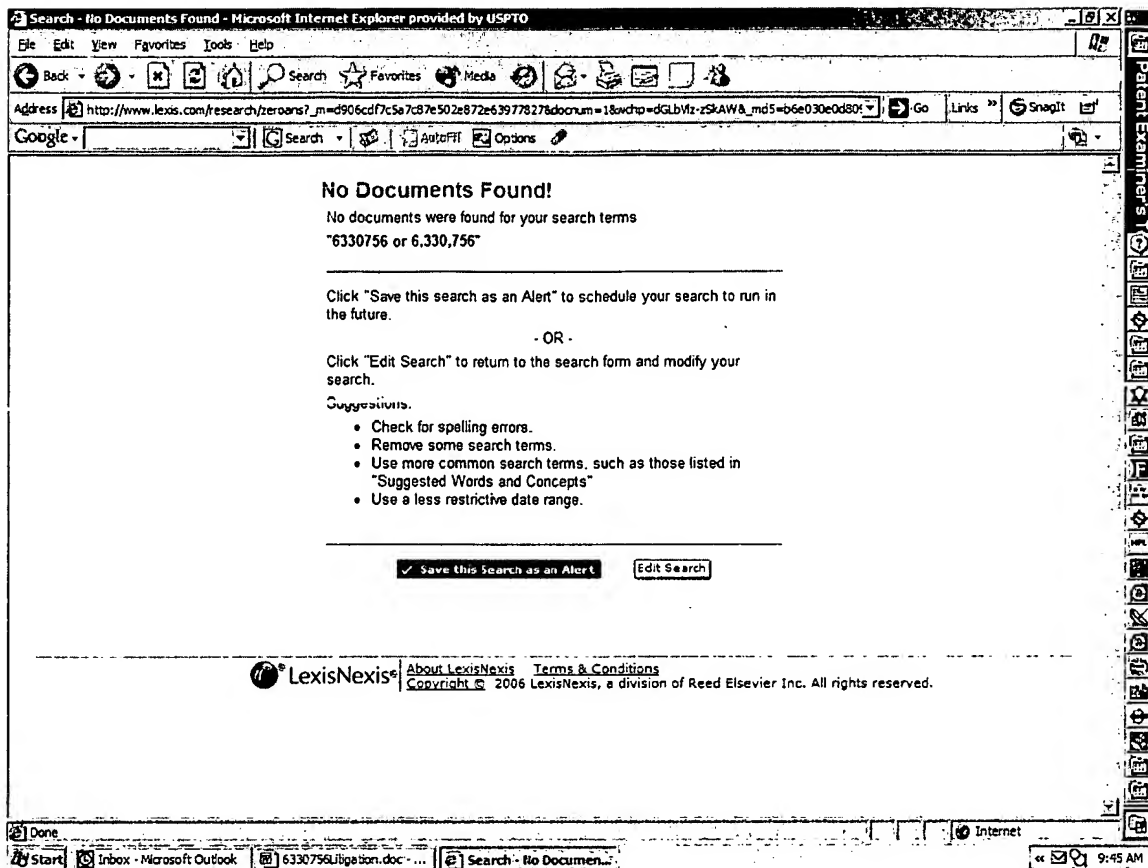
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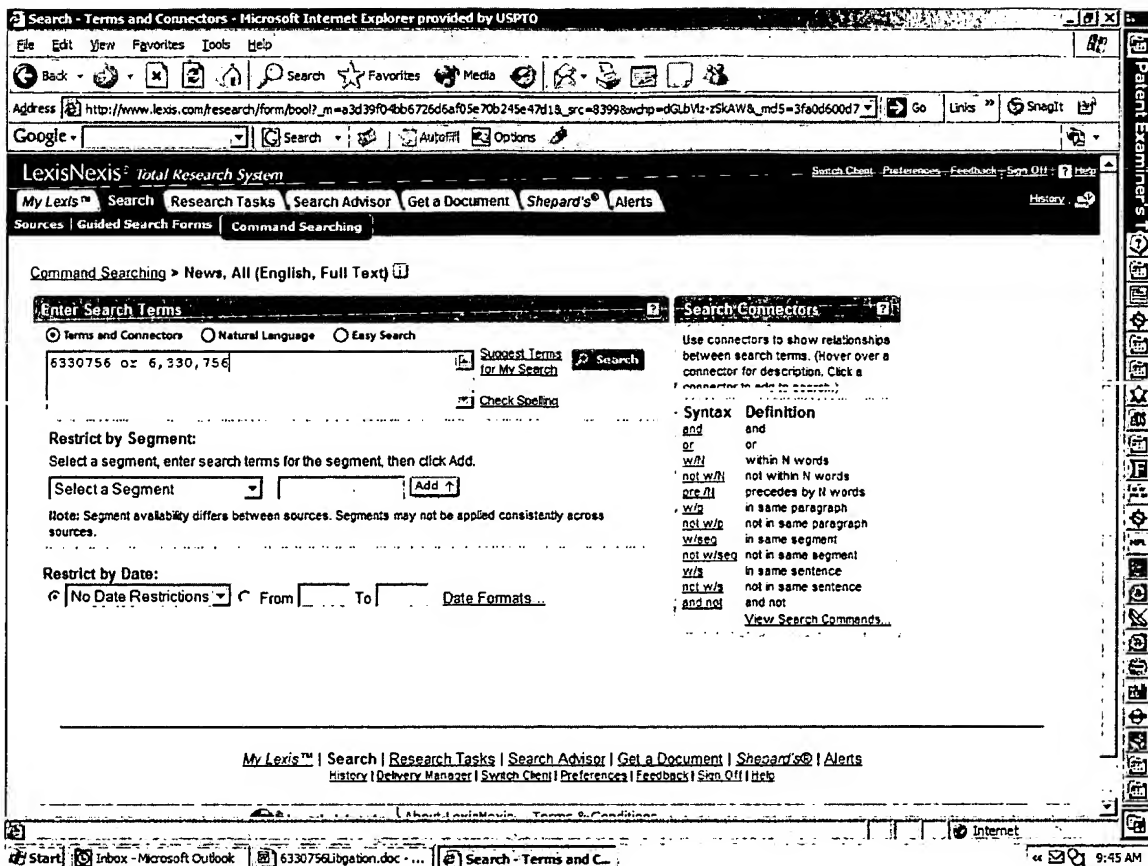
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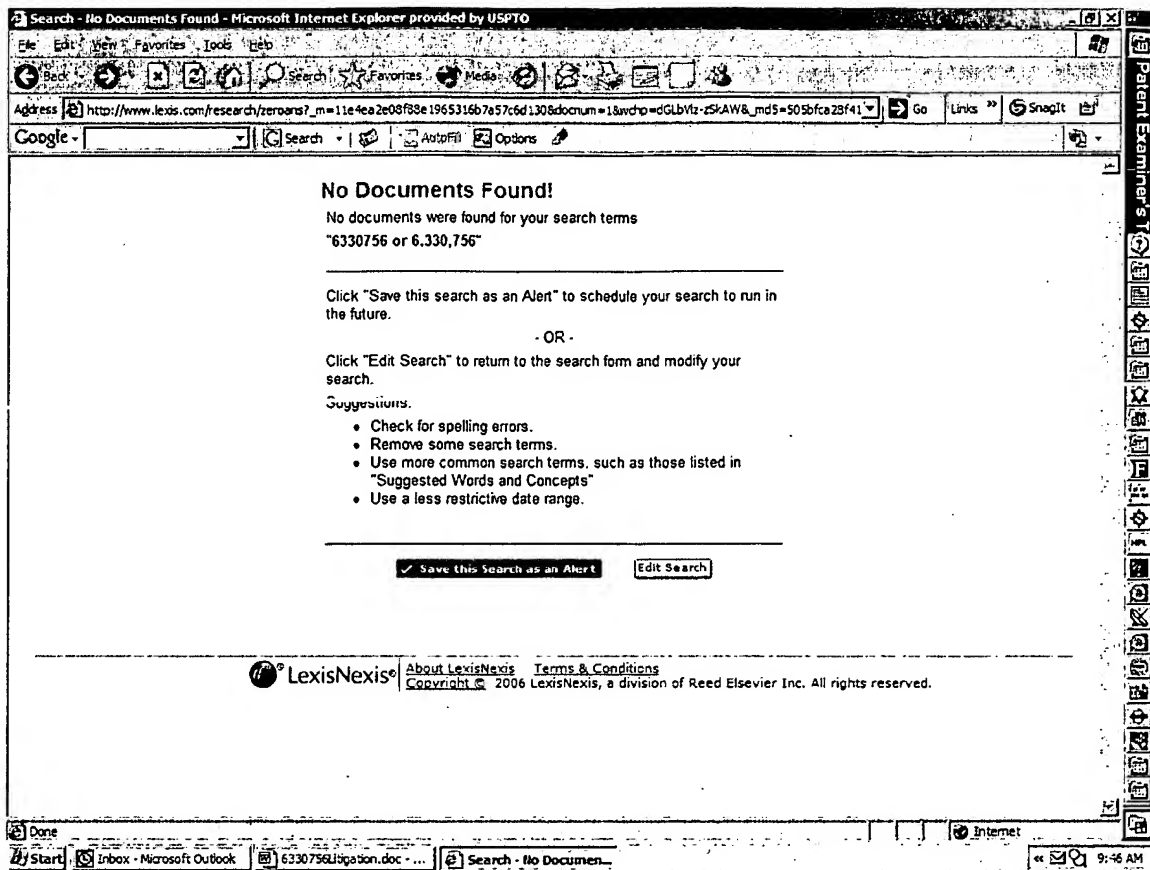
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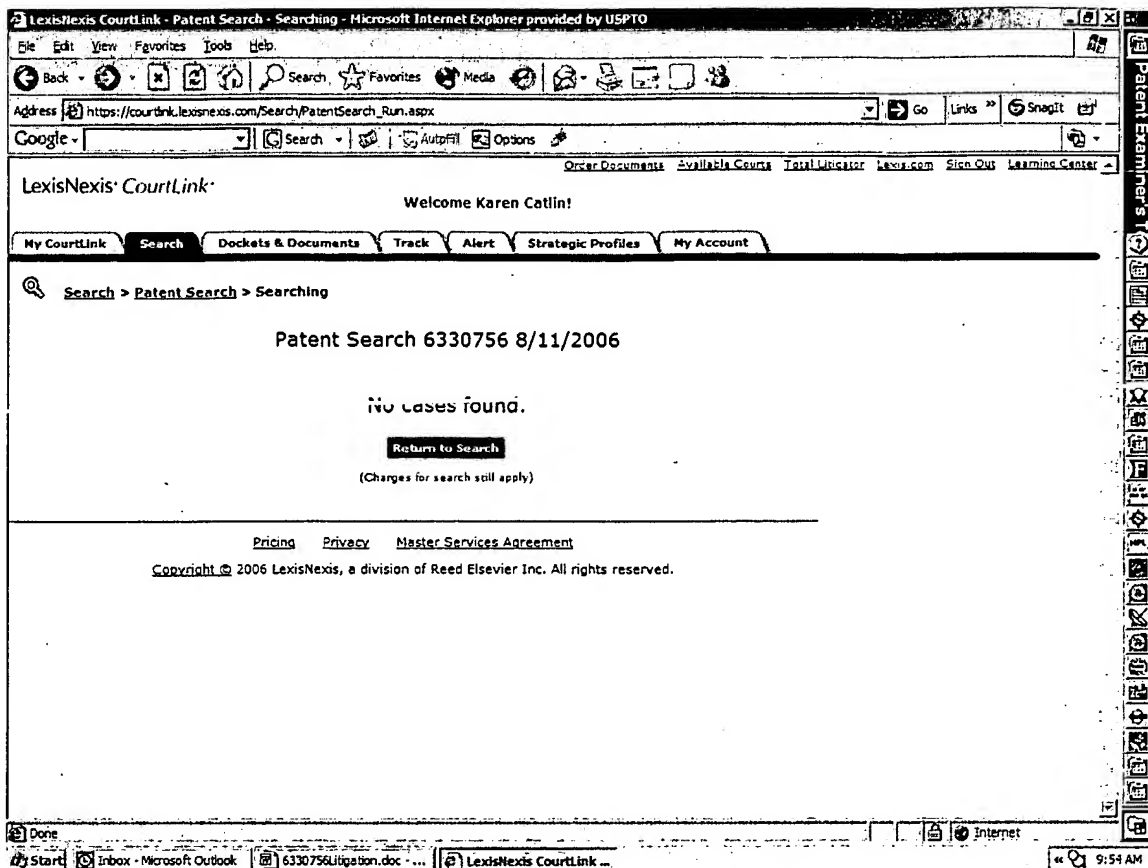
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Research Information:

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UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6330756

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December 18, 2001

Vacuum processing apparatus and operating method therefor

REISSUE: February 1, 2002 - Reissue Application filed Ex. Gp.: 2162; Re. S.N. 10/060,304 (O.G. May 21, 2002)

INVENTOR: Kato, Shigekazu - Kudamatsu, Japan (JP); Nishihata, Kouji - Tokuyama, Japan (JP); Tsubone, Tsunehiko - Hikari, Japan (JP); Itou, Atsushi - Kudamatsu, Japan (JP)

APPL-NO: 614764 (09)

FILED-DATE: July 12, 2000

GRANTED-DATE: December 18, 2001

ASSIGNEE-AT-ISSUE: Hitachi, Ltd., Tokyo, Japan (JP), Foreign company or corporation (03)

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Patent Number :

US6330756 B1 20011218 [US6330756]

Title :

(B1) Vacuum processing apparatus and operating method therefor

Patent Assignee :

(B1) HITACHI LTD (US)

Patent Assignee :

Hitachi, Ltd., Tokyo [JP]

Inventor(s) :

(B1) KATO SHIGEKAZU (JP); NISHIHATA KOUJI (JP); TSUBONE TSUNEHICO
(JP); ITOU ATSUSHI (JP)

Application Nbr :

US61476400 20000712 [2000US-0614764]

Filing Details :

Divsn of US552572 20000419 [2000US-0552572]
Divsn of US461432 19991216 [1999US-0461432] (Abandoned)
Cont. of US177495 19981023 [1998US-0177495]
Cont. of US061062 19980416 [1998US-0061062]
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Cont. of US443039 19950517 [1995US-0443039]
Divsn of US302443 19940909 [1994US-0302443]
Cont. of US096256 19930726 [1993US-0096256]
Cont. of US751951 19910829 [1991US-0751951]
Continuation of: US6012235
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Continuation of: US5553396
Division of: US5457896
Continuation of: US5349762
Continuation of: US5314509

Priority Details :

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Patent Number :

6,330,756 A 20011218 [US6330756]

Patent Assignee :

Hitachi Ltd JP

Actions :

20020201 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020521

REISSUE REQUEST NUMBER: 10/060304

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2162

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